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### ***Research Interests***

My research interests include the development of novel protein-based biosensors for biomedicine and biotechnology. Specifically, we are developing optical sensors from the ATP-binding cassette transporter family of proteins. These proteins are responsible for the influx and efflux of nutrients and toxins through the cell membrane. Our group employs a multidisciplinary approach in addressing all aspects of transforming these proteins into useable biosensors, including instrumentation, immobilization, and the synthesis of chemical probes.

[Back to Membership Directory](#)

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